


Substitute for Form 1449 A & B/PTO <u>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</u> (use as many sheets as necessary)				<i>Complete if Known</i>	
				Application Number	Unknown
				Confirmation Number	Not yet assigned
				Filing Date	January 15, 2004
				First Named Inventor	Hiroshi USUI, et al.
				Art Unit	Not yet assigned
				Examiner Name	Not yet assigned
Sheet	1	of	1	Attorney Docket Number	Q79320

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
A		US 5,634,745	A	06/03/1997	SANDVIK AB
		US 2002/0127068	A1	09/12/2002	NGK SPARK PLUG CO., LTD.
		US 6,623,218	B1	09/23/2003	NGK SPARK PLUG CO., LTD.
		US			
		US			
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
A		JP	2001-157903	A	06/12/2001	MTSUBISHI MATERIALS CORP.	Abstract
		JP	2000-288803	A	10/17/2000	NGK SPARK PLUG CO., LTD.	Abstract
		JP	2000-280103	A	10/10/2000		
		JP	2002-192407	A	07/10/2002		
		WO	95/00272	A1	01/05/1995	KENAMETAL INC.	
		JP	8-507976	A	08/27/1996		
		JP	5-53804	U	07/20/1993		YES
		JP	2556520	Y2	08/15/1997		
		JP	10-500363	A	01/13/1998		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶

Examiner Signature		Date Considered	8/22/04
--------------------	---	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to indicate here if English language Translation is attached.